

UPDATE

5/19/02

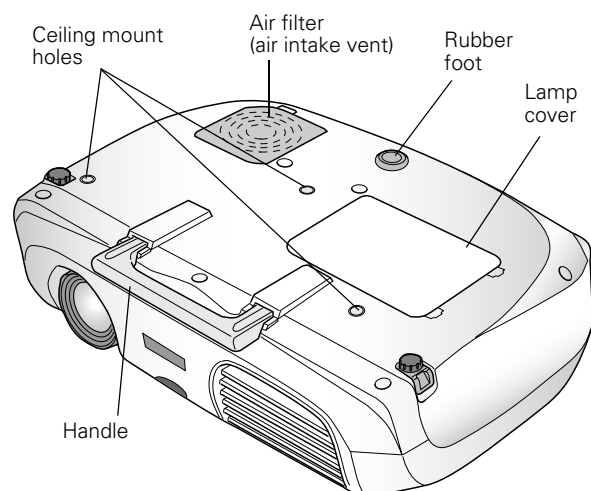
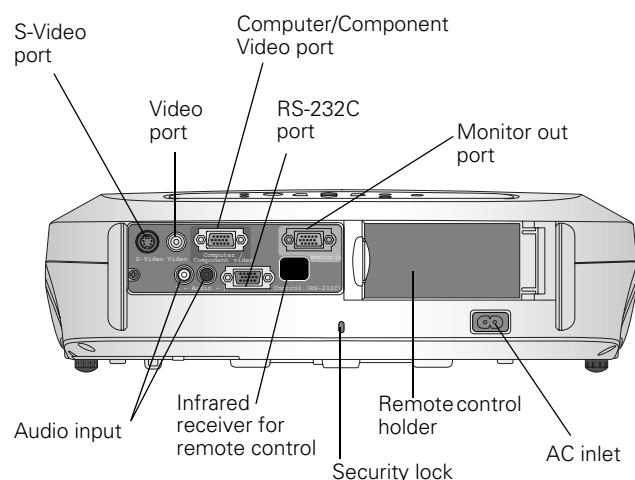
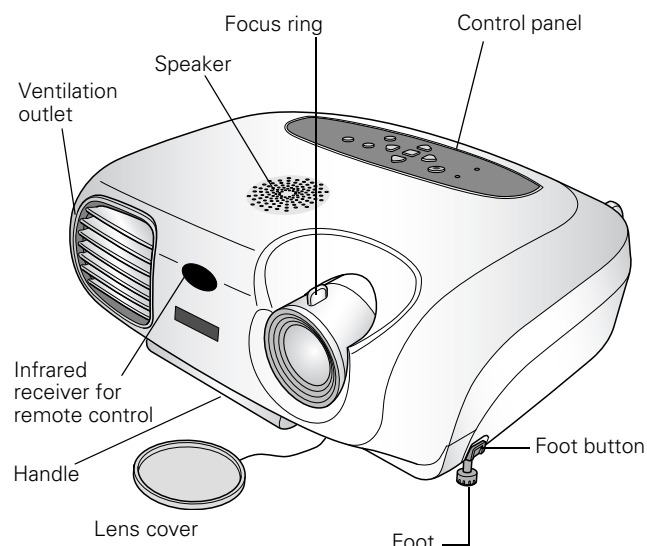
This package provides a new multimedia projector product section to be added to the *EPSON® Product Information Guide*. The table of contents of this section is listed below.

EPSON PowerLite® S1

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Projector Parts



Projector Specifications

General

Type of display	Poly-silicon Thin Film Transistor (TFT) active matrix with Micro Lens Array
Size of liquid crystal panels	Diagonal: 0.5 inches (12.5 mm) × 3
Lens	F=1.4 mm, f=16.6 mm
Focus adjustment	Manual
Zoom ratio	Digital 1.0 to 1.2, lens at maximum size
Resolution	800 × 600 pixels (native format)
Number of pixels	480,000 × 3
Brightness	1200 ANSI lumens
Contrast ratio	400:1
EPSON Control Code	ESC/VP 21 (available online)
Image size (diagonal)	30 to 300 inches (0.9 to 11.3 m)
Projection distance	2.9 to 30 ft (0.9 to 9.0 m), Wide mode 3.5 to 37 ft (1.1 to 11.3 m), Tele mode
Projection methods	Front, rear, upside-down (ceiling mount)
Sound output	1W monaural
Optical aspect ratio	4:3 (horizontal : vertical), adjustable to 16:9 for HDTV, NTSC, PAL, and SECAM images
Keystone correction angle	±15° vertical
Keystone correction ratio	9.6:1
Supported video interface standards	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, PAL60, SECAM

Projection Lamp

Type	UHE (Ultra High Efficiency)
Power consumption	132W
Lamp life	About 2000 hours
Part number	V13H010125

Remote Controls

Range	20 feet (6 meters)
Battery	Lithium (CR2025)

Dimensions

Height	4.2 inches (106 mm)
Width	14.6 inches (370 mm)
Depth	10.4 inches (265 mm)
Weight	approximately 7 lb (3.2 kg)

Electrical

Rated frequency	50/60 Hz
Power supply	100 to 120 V model: 100 to 120 VAC, 2.7 A 200 to 240 V model: 200 to 240 VAC, 1.3 A
Power consumption	Operating: 180W Standby: 5W

Environmental

Temperature (non-condensing)	Operating: 41 to 95° F (5 to 35° C), Storage: 14 to 140° F (–10 to 60° C)
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Safety

United States	FCC Part 15J Class B UL1950 Rev. 3
Canada	DOC SOR/88-475 CSA C22.2 No. 950-95 (cUL)
CE Marking	Directive 73/23/EEC EN 60950 Directive 89/336/EEC EN 55022 Class B EN 55024

Compatible Video Formats

The projector supports the video formats listed in the following tables. To project computer images, the computer's video card must be set at a refresh rate that's compatible with the projector. See your computer documentation for details.

Computer

Signal	Refresh Rate (Hz)	Resolution (dots)	Resized display resolution (dots)
VGA	60	640 × 480	800 × 600
VGAEGA	70	640 × 350	800 × 438
VESA	72 / 75 / 85, iMac*	640 × 480	800 × 600
SVGA	56 / 60 / 72 / 75 / 85, iMac*	800 × 600	800 × 600
XGA	43i / 60 / 70 / 75 / 85, iMac*	1024 × 768	800 × 600
MAC13"	67	640 × 480	800 × 600
MAC16"	75	832 × 624	800 × 600
MAC19"	75	1024 × 768	800 × 600
MAC21"	75	1152 × 870	794 × 600
SDTV (480i)	60	640 × 480	800 × 600
SDTV (480p)	60	640 × 480	800 × 600
HDTV (720p)	60	1280 × 720	800 × 450
HDTV (1080i)	60	1920 × 1080	800 × 450

* Connection is not possible if the equipment does not have a VGA output port.

Component Video

Signal	Refresh Rate (Hz)	Resolutions (dots)	
		Aspect ratio 4:3	Aspect ratio 16:9
SDTV(480i)(D1)	60	800 × 600	800 × 450
SDTV(625i)	50	800 × 600	800 × 450
SDTV(525p)(D2)	60	800 × 600	800 × 450
HDTV(720p) 16:9 (D4)	60	800 × 600	800 × 450
HDTV(1080i) 16:9 (D3)	60	800 × 600	800 × 450

Composite Video/S-Video

Signal	Resolutions (dots)	
	Aspect ratio 4:3	Aspect ratio 16:9
TV(NTSC)	800 × 600	800 × 450
TV(PAL, SECAM)	800 × 600	800 × 450

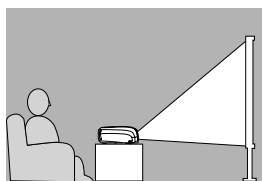
It may be possible to project signals which are not listed above. However, not all functions may be supported with such signals.

Positioning the Projector

Follow these guidelines to get the best results when projecting:

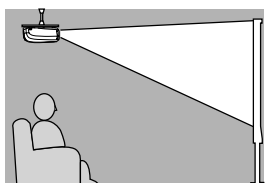
- ❑ Place the projector on a sturdy, level surface, between 3 and 37 feet from the screen.
- ❑ Make sure there is plenty of space for ventilation around and under the projector.
- ❑ Make sure the projector is within 10 feet of a grounded electrical outlet or extension cord and within 5 feet of the image source.
- ❑ Face the projector squarely toward the screen.

The projector supports 4 viewing setups, as shown below. If it is installed in a rear or overhead position, you need to select the correct projection option from the Setting menu after you turn it on.



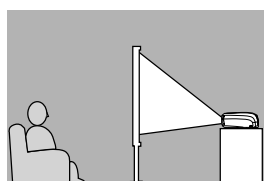
Table

Convenient for temporary front projection. Choose **Front** from the menu.



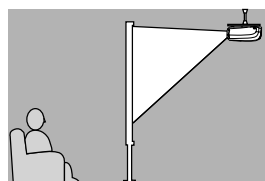
Ceiling

Professional installation recommended. Choose **Front/Ceiling** from the menu.



Rear

For permanent installation behind a translucent screen. Choose **Rear** from the menu.



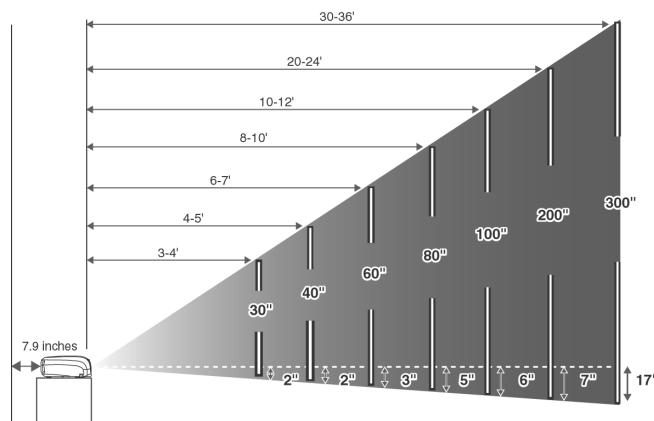
Rear/Ceiling

Professional installation behind a translucent screen recommended. Choose **Rear/Ceiling** from the menu.

If the projector is tilted in the front or the back, you may need to adjust the image shape. See page 7.

Image Size and Projection Distance

The distance between the projector and the screen determines the basic size of the projected image, as shown below. Because other adjustments—such as those made with the **Aspect** and **Keystone** buttons—also affect the size of the image, the numbers shown in the illustration should be considered for general guidelines, not exact measurements.



Use the formulas given below to either find out how large your image will be when you know the distance from the projector to the screen, or to find out how far from the screen to place the projector when you want an image of a certain size. Since the size of the image can be changed by rotating the zoom ring, formulas are given for both the minimum and maximum sizes.

To determine the diagonal size of an image when you know the projection distance:

$$\text{Maximum diagonal size} = (0.8488 \times \text{projection distance}) + 0.90242$$

$$\text{Minimum diagonal size} = ((0.8488 \times \text{projection distance}) + 0.90242) \times 0.8071$$

To determine the projection distance when you know the diagonal size of the screen image:

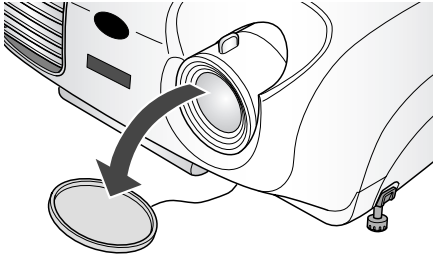
$$\text{Maximum projection distance} = (\text{diagonal size} \times 2.9924) - 2.7004/2.54$$

$$\text{Minimum projection distance} = ((\text{diagonal size} \times 2.9924) - 2.7004/2.54)/0.8071$$

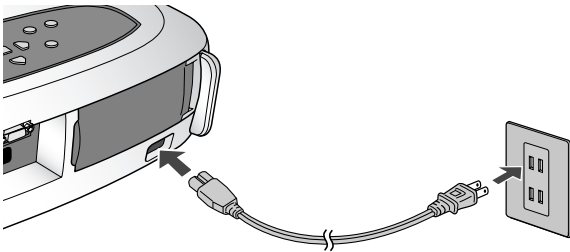
Turning the Projector On and Off


Once you've connected the projector to your computer or other equipment follow these instructions to turn it on and display an image:

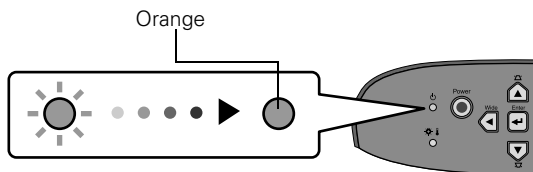
1. Make sure the power is turned off for the projector and any sources connected to it.
2. Remove the lens cover.



3. Connect the power cord to the projector and plug the other end into a grounded electrical outlet.




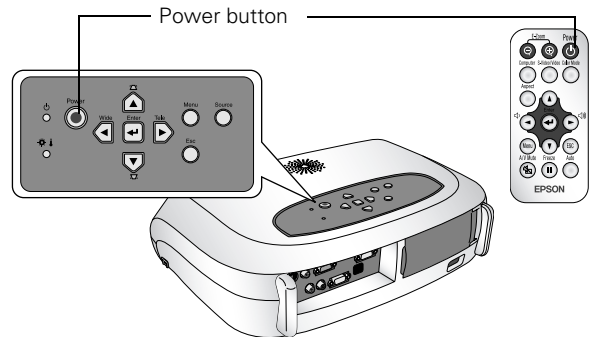
The  Power light on the projector turns orange, indicating that the projector is receiving power, but is not yet turned on.




Note: The projector will not respond to any buttons on the control panel or remote control while the power light is flashing orange.

4. If you are connecting to a device other than a computer, turn on your equipment. (If you are connecting to a computer, don't turn it on yet.)

5. Press the  Power button on the remote control or the top of the projector to turn on the projector.



You hear a beep, the  Power light flashes green as the projector warms up, and the projection lamp comes on in about 6 seconds.

Note: You may see a blue screen with the No Signal message displayed. This is normal.

6. If you are using a computer, turn it on now.
7. Start your video or presentation. If you have connected more than one video or computer source, you may need to press the **Computer** or **S-Video/Video** button on the remote control or the **Source** button on the projector to select the one you want to watch. (See "Switching Between Picture Sources" on page 6 for more information.)


If the image is upside-down or reversed, you need to turn on the **Rear**, **Ceiling**, or **Rear/Ceiling** option in the Setting menu.

If a projected image fails to appear, see the following section, "Troubleshooting."

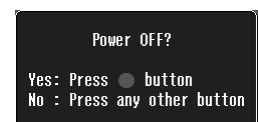
Once you see your image, see page 6 for instructions on focusing and making other image adjustments.




Turning Off the Projector


When you're ready to shut down the projector, follow these steps:

1. Turn off any video or computer sources connected to the projector first.
2. Press the  Power button on the projector or remote control to turn off the projector.

You see a confirmation message:
If you don't want to turn it off, press any button or ignore the message. (It disappears in about 7 seconds.)



- Press the  Power button again. The lamp is turned off and the  Power light flashes orange as the projector cools down. When the projector has cooled, the  Power light stays orange and the exhaust fan shuts off.

Note: If you want to turn the projector on again, wait until the orange light stops flashing. Then press the  Power button.

- Unplug the power cord from the electrical outlet.



Caution: Do not disconnect the power cord while the power light is flashing orange because it may cause problems with the projector.

- Replace the lens cover.

Troubleshooting


If you see a blank screen

If you see a blank screen or the No Signal message, check the following:

- ☐ Make sure the  power light on the projector is green and not flashing and the lens cover is off.
- ☐ Try turning off the notebook and restarting it.
- ☐ If you've connected more than one computer and/or video source, you may need to press the Source button on top of the projector to select your video source. (Allow a few seconds for the projector to sync up after pressing it.)
- ☐ If you're using Windows®, hold down the Fn key and press the function key that lets you display on an external monitor. It may have an icon such as , or it may be labelled CRT/LCD. (Allow a few seconds for the projector to sync up after pressing it.)

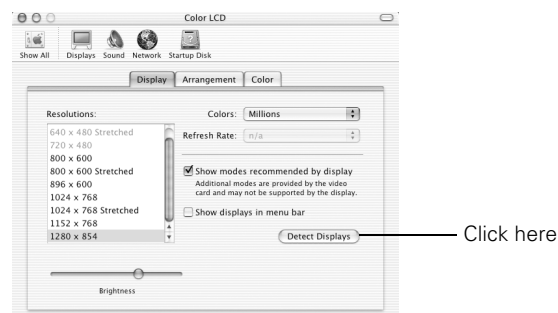
If the projector and notebook don't display the same image

If you're using a Windows notebook:

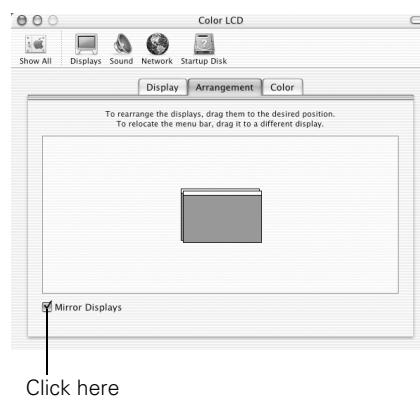
- ☐ On most systems, the  or CRT/LCD key lets you toggle between the LCD screen and the projector, or display on both at the same time.
- ☐ You might need to use the Display utility in the Control Panel to enable both the LCD screen and external monitor port. Check your notebook's manual or online help for details.
- ☐ If you have dual monitor support, you may need to uncheck the option to extend your Windows desktop in the Display Properties.

If you're using a Macintosh® PowerBook® with Mac OS® X:

- Select System Preferences from the Apple® menu and click Displays.
- Click Detect Displays.



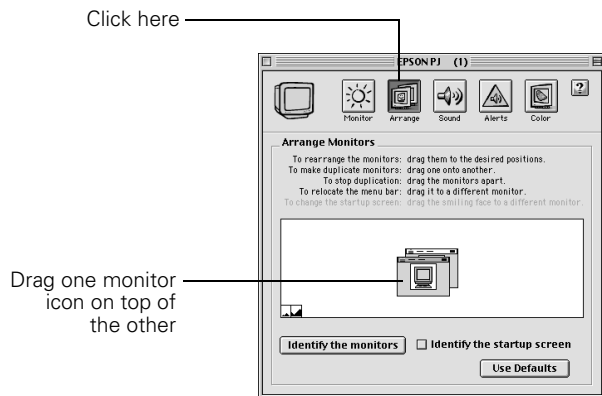
- To display the entire desktop on both your projector screen and LCD screen, click the Arrangement or Arrange tab. (If you don't see this tab, make sure it is not hidden by another window on your screen.)
- Click Mirror Displays in the lower corner of the screen. One of the monitor icons automatically moves on top of the other.



If you're using a Macintosh PowerBook with Mac OS 9.x or earlier:

- From the Apple menu, select Control Panels, then click Monitors and Sound.

- Click the **Arrange** icon, and then drag one monitor icon on top of the other.



***Note:** If the **Arrange** option isn't available, you may need to select one of the Simulscan resolution settings. Click the **Monitor** icon and then select a Simulscan resolution from the ones in the **Resolution** box. (Allow a few seconds for the projector to sync up after making the selection.)*

Switching Between Picture Sources

You can connect the projector to multiple video sources simultaneously. Then you use the buttons on the projector or remote control to switch between them:

- Press the **Source** button on the projector to switch between computer or component video, S-video, and composite video sources.
- On the remote control, press the **Computer** button to select a computer or component video source. Press the **Video/S-Video** button to select a composite or S-Video source.

After you select a source, the screen goes dark for a moment before the image appears. The name of the source appears briefly on the screen.

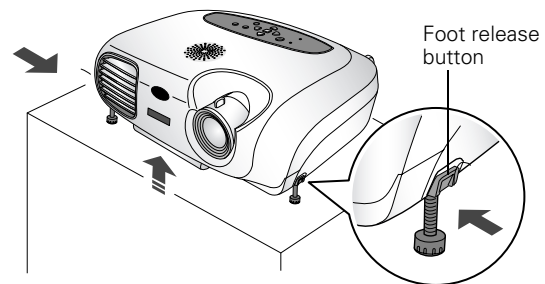
Adjusting the Image

The following sections describe how to adjust the image once it is displayed.

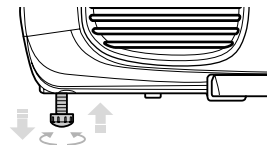
Adjusting the Height of the Image

The projector should be as perpendicular to the screen as possible. If the image is too low, you can raise it by extending the projector's front feet.

- Stand behind the projector. Press the foot release buttons and lift the front of the projector. This unlocks the feet.



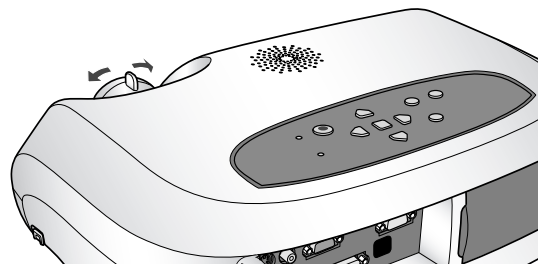
- Once the image is positioned where you want it, release the buttons to lock the feet in place.
- If you need to straighten the image, rotate the feet to raise or lower the sides.



If the image is no longer square after raising it, see page 7.

Focusing the Image

Rotate the focus ring to sharpen the image.



Note:

*If a computer image is still out of focus, you can increase the clarity by pressing the **Auto** button on the remote control. See page 8.*

Adjusting the Image Size

You can adjust your image size using the zoom button on the projector, or zoom into a portion of the image using the E-Zoom button on the remote control.

Using the Zoom Button

To enlarge or reduce your image size in small increments, press the Wide button to enlarge the image or press the Tele button to reduce it.



Note:

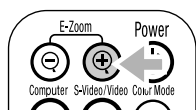
You can always move the projector closer to or farther from the screen to adjust the image size.

Using the E-Zoom Button

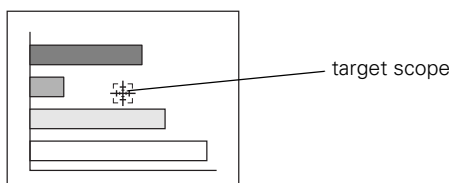
The image is enlarged or reduced.

1. Press the E-Zoom \oplus button on the remote control.

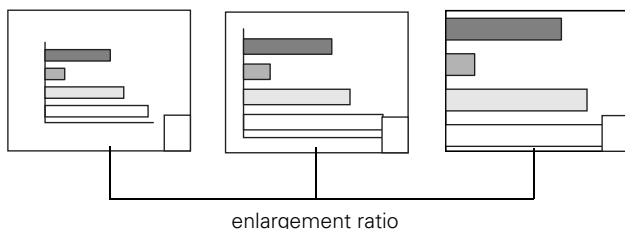
A target scope is displayed on the screen.



2. Press the \blacktriangle \blacktriangledown \blacktriangleleft \blacktriangleright buttons to move the target scope to the center of the part you wish to enlarge/reduce.



3. Push E-Zoom \oplus to enlarge the image. Push E-Zoom \ominus to reduce the enlarged image.

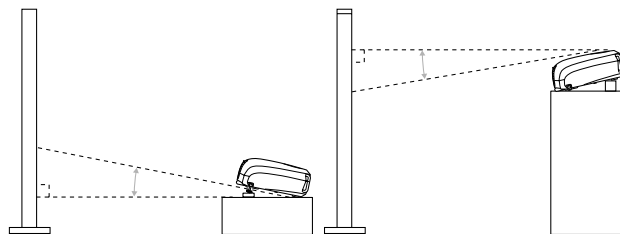


- ☐ E-Zoom \oplus : Enlarges part of the image without changing the size of the projection area.
- ☐ E-Zoom \ominus : Reduces the part of the image that has been enlarged using the \oplus button.
- ☐ You can scroll with the \blacktriangle \blacktriangledown \blacktriangleleft \blacktriangleright buttons.

Press ESC to cancel.

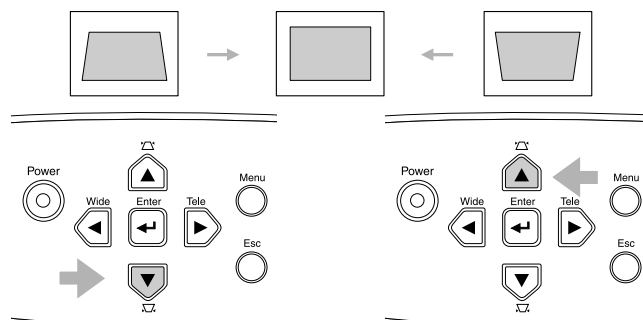
Adjusting the Image Shape

When the projector is raised in the front or back, the display distorts in the shape of a trapezoid.



Note: You can correct only vertical distortion with this function. Horizontal distortion cannot be corrected.

Press the \blacktriangle or \blacktriangledown buttons to correct the distortion.



Note: Screen size changes when keystone correction is performed. If the images become uneven in appearance after keystone correction is performed, decrease the sharpness setting.

Images can be corrected without distortion when the projector is tilted to a maximum of $\pm 15^\circ$.

Adjusting the Image Quality

You may need to adjust the projector's Tracking and Sync settings on the Image menu if your computer image has any of these quality problems:

- ☐ Flashing or blurry image
- ☐ Vertical or horizontal stripes
- ☐ Only a portion of the image is displayed

See the *User's Guide* for more information.

Note: You can also increase computer image clarity by pressing the Auto button on the remote control to optimize the tracking, sync, and position settings. Turn off E-Zoom and A/V Mute before using the Auto button.

Selecting the Color Mode

There are five color modes available. Make a selection appropriate for the conditions in which you are projecting.

☐ Dynamic

Images are modulated and made crisper to emphasize brightness.

☐ Presentation

Brightness is emphasized. For presentations in bright rooms.

☐ Theatre

Best for watching movies in their natural tones.

☐ Living Room

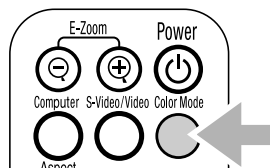
Brightness is emphasized. Ideal for playing video games in bright rooms.

☐ sRGB

Conforms to the sRGB color standard. If the connected source has an sRGB mode, set both the projector and the connected source to sRGB.

The color mode changes each time you press the **Color Mode** button on the remote control.

Dynamic → Presentation →
Theatre → Living Room →
sRGB



Default Value

☐ Computer input: Presentation

☐ Other input: Dynamic

Note: You can also change the color mode through the Image menu.

Using the Automatic Setup

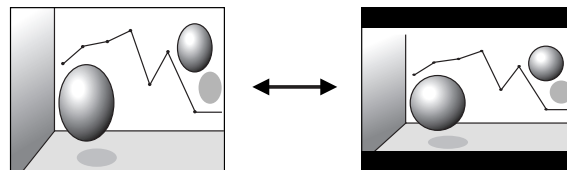
If you are projecting from a computer, the projector automatically adjusts the input signals to produce the best image quality. Automatic setup adjusts the Tracking, Sync, and other image settings.

However, if **Auto Setup** in the Image menu is set to **OFF**, you need to press the **Auto** button on the remote control while projecting from a computer to have the projector make the adjustments.

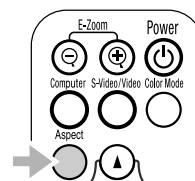
Sometimes the signals may not be adjusted correctly, depending on the type of signals being output by the computer. In such cases, use the Image menu to adjust the tracking and sync settings manually.

Selecting the Aspect Ratio

The aspect ratio is the ratio between an image's width and its height. Standard images have an aspect ratio of 4:3 and HDTV and DVD images have an aspect ratio of 16:9. If your video source is 16:9, you can change the aspect ratio to view the video in 16:9 wide-screen format.



Press the **Aspect** button on the remote control to change the aspect ratio.



Turning Off the Picture and Sound

Press the **A/V Mute** button on the remote control to darken your screen and turn off the sound. When you're ready to resume, press **A/V Mute** again.

If you press the button while projecting from a video source, and you don't pause the video, it continues to play even though you can't see or hear it. When you press the **A/V Mute** button again to resume, the playback does not resume at the exact point you paused it.

Note: You can make the blank screen blue, instead of black, whenever you press the **A/V Mute** button by selecting it as the background color in the Setting menu.

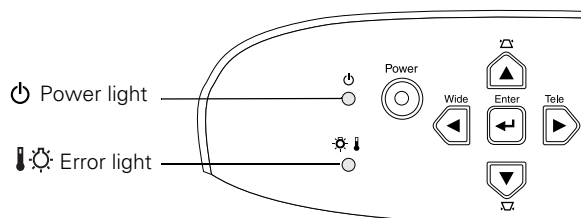
Freezing the Action

Press the **Freeze** button on the remote control to temporarily freeze the action on the screen. This freezes any moving images on the screen until you press the **Freeze** button again.

Like the **A/V Mute** feature, if you are projecting a video, the video and audio continue while the projected image is paused, so when you press the **Freeze** button again to resume, the playback does not resume where you stopped it.

Projector Status Lights

If your projector isn't working correctly, first turn it off, wait for it to cool, and unplug it. Then plug the power cord back in and turn on the projector. If this doesn't solve the problem, check the lights on top of the projector. They alert you to problems with projector operations.



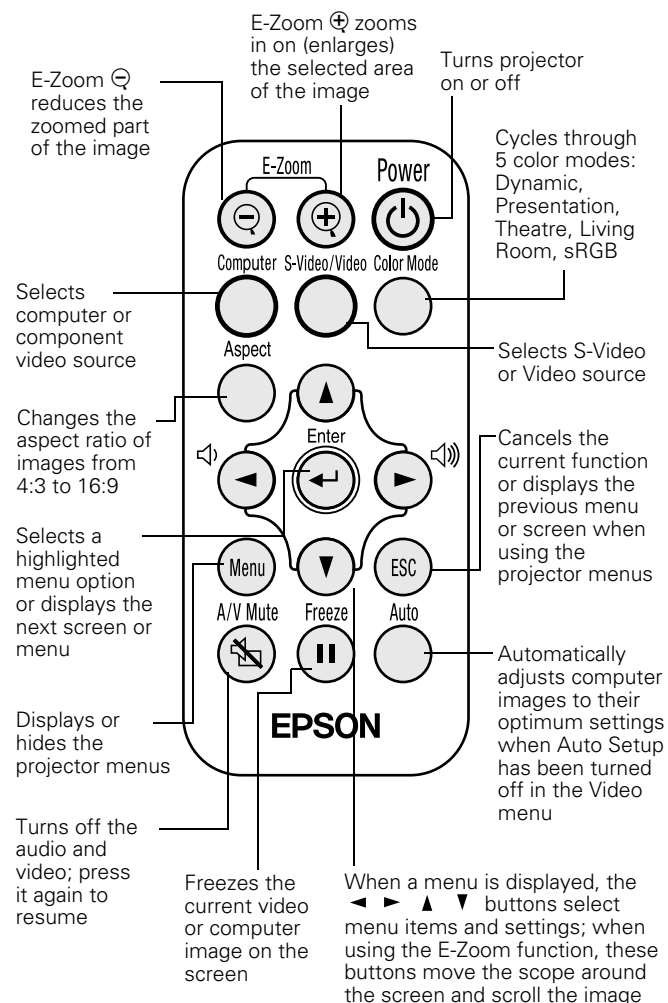
Light	Status	Description and action
	off	The projector is unplugged. If you want to turn it on, make sure the power cable is connected securely at both ends, then press the Power button to turn on the projector.
	orange	The projector is in sleep (or standby) mode. You can unplug it to turn it off or press the Power button to turn it on.
	flashing green	The projector is warming up. Warming up takes about 35 seconds (the EPSON logo appears after approximately 6 seconds). When warming up is complete, the indicator changes to steady green.
	green	The projector is operating normally.
	flashing orange	The projector lamp is off and the projector is cooling down. Wait until the light stops flashing. (The cool-down period lasts about 20 seconds.) Then, if you want to turn it off, unplug it. If you want to turn it on, press the Power button. (You can't turn the projector on, and you should never unplug it, when the light is flashing orange.)
	red	The projector is too hot and the lamp has turned off. Wait 5 minutes, then unplug it and make sure nothing is blocking the projector's air filter. If it continues to overheat, clean the air filter; see page 11 for instructions.
	flashing red at 0.5-second intervals	The lamp cover is not closed securely or the lamp is broken or has burned out. Secure the lamp cover or replace the lamp; see page 12 for instructions.
	flashing orange	The projector lamp has turned off automatically because the projector has overheated. Let it cool for a few minutes, then turn it back on. Make sure nothing is blocking the air filter. If it continues to overheat, clean the air filter; see page 11 for instructions.
	flashing red at 1-second intervals	There is an internal problem with the projector. Unplug it from the electrical outlet and contact EPSON for help.

Using the Remote Control

The remote control uses a line-of-sight infrared signal. It lets you access the projector's features from anywhere in the room—up to 20 feet away. (This distance may be shorter if the remote control batteries are low.)

The projector may not respond to remote control commands in these conditions:

- ☐ You are too far away—not within 20 feet (6 meters)—or not within 30° to the left or right of the front or rear sensor or 15° above or below it
- ☐ The battery is weak or not installed correctly
- ☐ Ambient light is too bright
- ☐ A fluorescent light is shining into the infrared receiver
- ☐ A strong light source (such as direct sunlight) shines into the infrared receiver
- ☐ Other equipment emitting infrared energy is present (such as a radiant room heater)



Using the Menus

The on-screen menus let you adjust and customize the projector features from the remote control:

- ❑ **Image** controls the look and quality of the projected image (from a computer or video source).
- ❑ **Setting** adjusts features such as the keystone setting, blank screen color, sleep mode, and rear or ceiling projection.
- ❑ **Info** provides information about the current projector and lamp settings.
- ❑ **Reset** restores the factory defaults to all the projector settings and lets you reset the lamp timer when you've replaced the projector's lamp.

Changing Menu Settings

You use the Menu, \leftarrow , and Esc buttons on the remote control to change menu settings.

1. Press the **Menu** button. The top configuration menu is displayed.
2. Press the \blacktriangle or \blacktriangledown buttons to select the Top Menu item.
3. Press the \leftarrow button. Sub Menu 1 is displayed.
4. Press the \blacktriangle or \blacktriangledown buttons to select the Sub Menu 1 items, then press the \leftarrow button.
5. For Sub Menu 2, press the \blacktriangle or \blacktriangledown buttons in the same way, then press the \leftarrow button.
6. Settings can be changed in the following ways:
 - ❑ Press the \blacktriangleleft or \blacktriangleright buttons to change the setting values.
 - ❑ Press the \blacktriangle or \blacktriangledown buttons to select the menu item. Then press the \leftarrow button.
The current setting has a green dot by the name and the current menu selection is highlighted in orange.
Press the \leftarrow button to confirm the selection.
 - ❑ Press the \blacktriangleleft or \blacktriangleright buttons to select the value. Then, press the \leftarrow button.
 - ❑ Press the \blacktriangle \blacktriangledown \blacktriangleleft \blacktriangleright buttons to move the image display position.
7. Set other items in the same way.

Press the **Esc** button to return to the previous item or menu, or select **Return**.

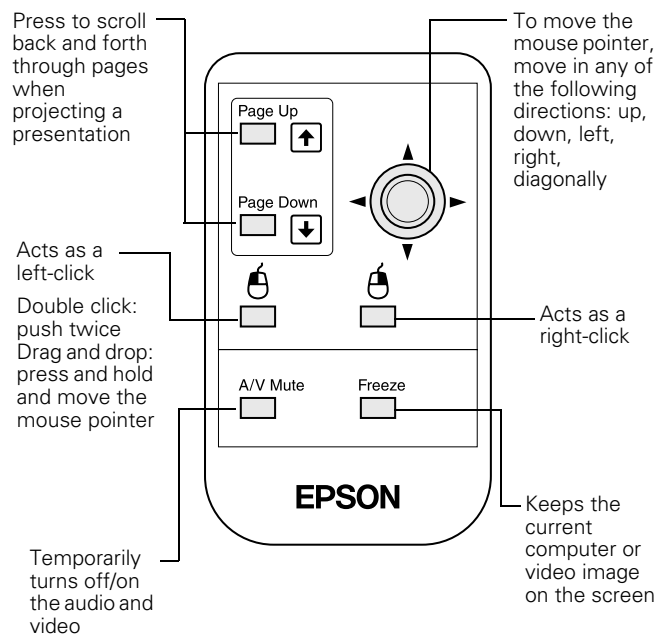
8. Press the **Menu** button to finish.

Note: The \odot mark is displayed after items which perform a setting or lead to a sub menu.

Using the Presentation Remote

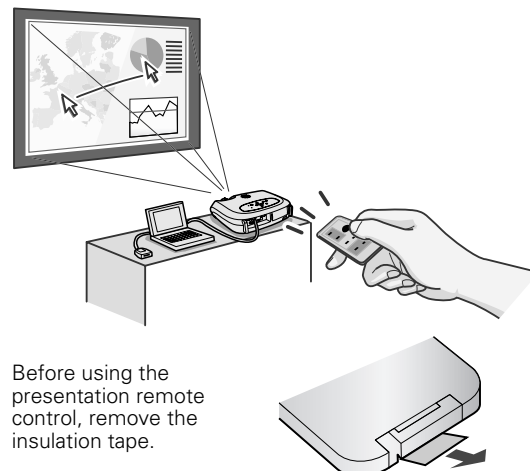
Operate the presentation remote control by aiming it at the presentation remote receiver.

When using the Freeze or A/V Mute functions, aim the presentation remote control towards the infrared receiver on the projector.



Note: If the mouse button settings are reversed on the computer, the operation of the remote control buttons will also be reversed.

You can use the presentation remote control as a wireless mouse to control the mouse pointer on the computer screen. The presentation remote contains all the functions necessary for giving a presentation. Functions include: Page Up/Page Down, Left/Right mouse click, A/V mute, freeze, and mouse pointer.



Compatible computers

Windows®: Windows 98/2000/Me/XP

Macintosh®: Mac OS® 9.1 or later/OS X 10.1 or later

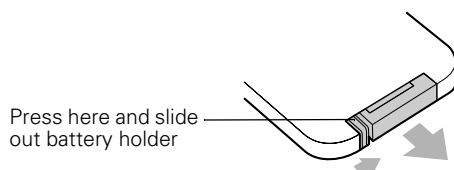
Note: The presentation remote receiver can only be connected to computers with a standard USB interface.

Some computer settings may have to be changed for the mouse function to be used. See your computer's documentation for details.

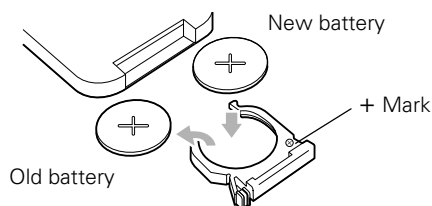
Replacing Remote Control Batteries

When the battery in the remote control or presentation remote control runs out, follow the steps below to replace it. Each remote requires one CR2025 lithium battery.

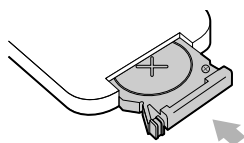
1. Remove the battery holder.



2. Remove the old battery and insert the new one. Make sure the + side of the battery is facing up, as shown.



3. Slide the battery holder back into the remote control until it clicks into place.



Caution:

When replacing the battery, take the following precautions:

- ☐ Replace the battery as soon as it runs out.
- ☐ If the battery leaks, wipe away battery fluid with a soft cloth. If fluid gets on your hands, wash them immediately.
- ☐ Remove the battery if you will not be using the remote for a long period of time.
- ☐ Dispose of the used battery in accordance with your local regulations.

Cleaning the Lens

Clean the lens whenever you notice dirt or dust on the surface.

- ☐ To remove dust, use a canister of compressed air to spray the lens surface, or lightly wipe the lens surface with a soft, dry, lint-free cloth.
- ☐ To remove dirt or smears, use lens-cleaning paper. If necessary, moisten a soft cloth with an alcohol-based cleaner and gently wipe the lens surface.

Caution:

Do not rub the lens with harsh material or subject it to shocks, as it can be easily damaged.

Cleaning the Projector Case

Before you clean the projector case, turn off the projector and unplug the power cord.

- ☐ To remove dirt or dust, wipe the outside with a soft, dry, lint-free cloth.
- ☐ To remove stubborn dirt or stains, clean the case using a soft cloth moistened with water and a neutral detergent. Dry it using a separate cloth.

Caution:

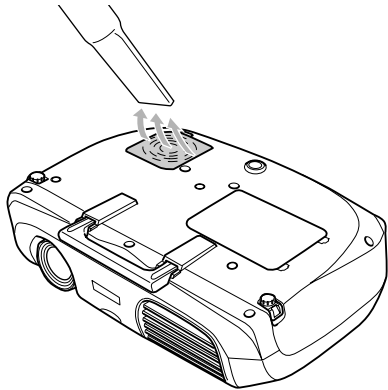
Do not use alcohol, benzene, thinner, wax, or other chemicals. These can damage the case.

Cleaning the Air Filter

If the air filter becomes clogged with dust, it can cause overheating and damage the projector. Follow these steps to clean the filter:

1. Turn off the projector, let it cool down, and unplug the power cord.

- Turn the projector upside-down and use a small vacuum cleaner designed for computers and other office equipment. If you don't have one, use a dry, lint-free cloth.



Note: If the air filter is difficult to clean or if it is broken, it should be replaced. See the next section for instructions.

Spare lamps are provided with new air filters. When replacing the lamp, please replace the air filter at the same time.

Replacing the Air Filter

If you need to replace the air filter, you can obtain it in the following ways:

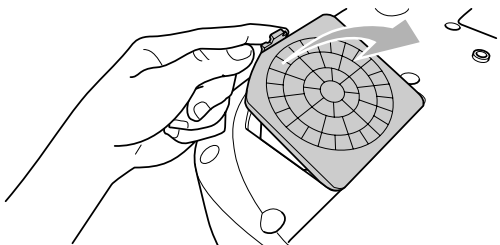
- ☐ Purchase one from your dealer
- ☐ Call EPSON at (800) 873-7766 or visit the EPSON StoreSM at www.epsonstore.com (U. S. sales only). In Canada, please call (800) 463-7766 for dealer referral.

Note:

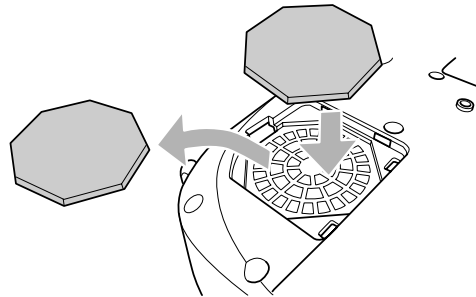
If you are also replacing the lamp, you can use the new air filter that comes with it.

Follow these steps to replace the air filter:

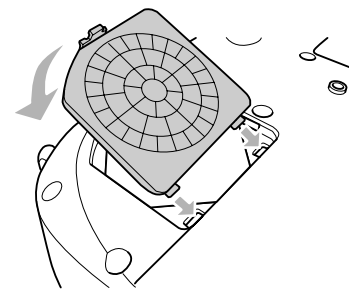
- Turn off the projector and wait for it to cool down.
- Disconnect the power cord.
- Turn the projector upside-down. Push in the tab on the air filter cover and lift up the air filter cover to remove it.



- Replace the air filter with a new one. Make sure there are no gaps between the air filter and the plastic grill.




- Insert the air filter cover tabs, and then press down on the opposite side until it clicks into place.



Replacing the Lamp

The projection lamp typically lasts for about 2000 hours of use. It is time to replace the lamp when:

- ☐ The projected image gets darker or starts to deteriorate.
- ☐ The  error light on top of the projector is flashing red in 0.5-second intervals.
- ☐ The message **LAMP REPLACE** appears on the screen when the projector lamp comes on (after about 1900 hours of use). To maintain projector brightness and image quality, replace the lamp as soon as possible after you see the message.

Request replacement lamp part number V13H010125.

Note:

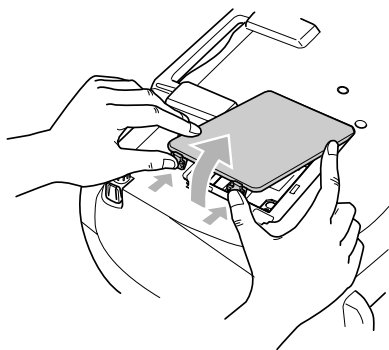
To view the number of hours your lamp has been used, check the About menu.

Warning:

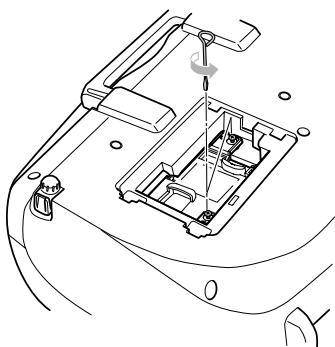
Be extremely careful when removing the lamp module. Let the lamp cool before replacing it. If the lamp breaks, handle the shards carefully to avoid injury. In the unlikely event that the bulb has ruptured, small glass fragments may be present and should be removed with caution. If your projector is mounted on the ceiling, you should unmount it before accessing the lamp compartment. This will make it easier for you to replace the lamp and minimize the chance of any small glass fragments dropping from the projector.

Follow these steps to replace the lamp:

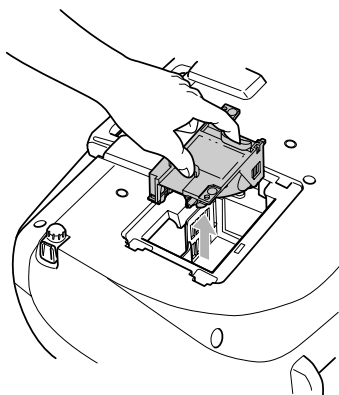
1. Turn off the projector, let it cool down, and unplug the power cord.
2. Allow the projector to continue cooling for at least one hour (if it has been on).
3. Turn the projector upside-down. Push in the tabs on the lamp cover and push it up to remove it.



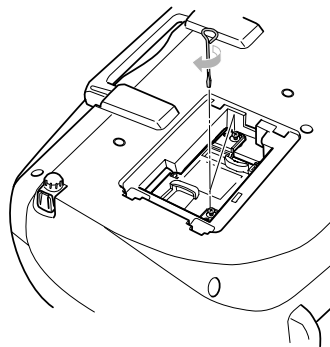
4. Use a screwdriver to loosen the two screws securing the lamp; you can't remove the screws.



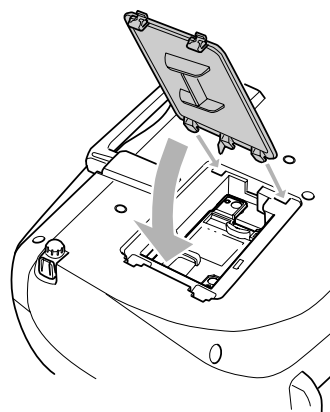
5. Remove the lamp.




6. Position the new lamp correctly, then gently insert it into the projector. Press it into place and tighten the retaining screws.



7. Insert the lamp cover tabs, then press down until the lamp cover clicks back into place.



Caution:

Make sure the lamp cover is securely fastened; the  error light flashes and the projector lamp won't turn on if the cover is open.

8. Follow the instructions below to reset the lamp timer to zero.

Note: A new air filter is included with the lamp. If your current air filter is old, replace it with the new one when you replace the lamp.

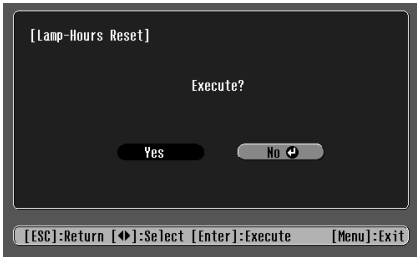
Resetting the Lamp Timer

After you install a new lamp, you need to reset the timer so the projector can keep track of how many hours it has been used.

Note:
Reset the lamp timer only after you install a new lamp. If you reset it at any other time, the projector will not indicate the correct number of lamp usage hours.

Follow these steps:

- 1. Make sure the power cord is connected to the projector and to an electrical outlet.
- 2. Turn on the projector and wait for it to warm up.
- 3. Press the Menu button on the remote control. You see the main menu.
- 4. Select the Reset menu. You see the lamp usage hours and other settings.
- 5. Select Lamp Hours Reset. You see this prompt:



- 6. Select Yes, then press Enter.
 - 7. When you're finished, press Esc or Menu.
- The lamp usage timer doesn't register until you've used the lamp for at least 10 hours.

Optional Accessories

EPSON provides the following optional accessories:

Product	Product number
V13H010125	Replacement lamp
V13H134A03	Air filter set (5 filters)
V12H007T11	Projector remote control
V12H007T09	Presentation remote control kit (connects to a PC or Mac and includes a receiver and remote)
ELPSC06	50" Portable screen (4:3 aspect ratio)
ELPSC07	60" Portable pop-up screen (4:3 aspect ratio)
ELPSC08	80" Portable pop-up screen (4:3 aspect ratio)
ELPAP01	Mac adapter set (used to convert a Macintosh D-sub 15-pin plug into a mini D-sub 15-pin plug)
ELPMB42	Ceiling mount
ELPMBAPL	Suspension adapter
ELPMBFCP	False ceiling plate
ELPSV01	S-Video cable
ELPKC19	Component video cable (9.8 feet/3 m) for mini D-Sub 15-pin/RCAx3
ELPDA01	Distribution amplifier
ELPKS35	Samsonite wheeled softcase
ELPKS43	Samsonite soft shoulder case for projector and laptop
ELPKS49	ATA molded hardshell case
ELPDC02	High resolution document imager
V12H064020	High resolution document camera
ELPSL01	Kensington security lock

You can purchase these accessories from your dealer, or by calling EPSON at (800) 873-7766, or by visiting the EPSON Store at www.epsonstore.com (U.S. sales only). In Canada, please call (800) 463-7766 for dealer referral.

Related Documentation

CPD-16290	EPSON PowerLite S1 Projector Quick Setup Poster
CPD-16302	CD-ROM containing the EPSON PowerLite S1 User's Guide
Parts Price Lists	Available on the EPSON Insider Website only